

ABSTRACT OF THE DISCLOSURE

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Disclosed is a method of producing a color filter composed of filter elements of RGB¹⁵ and used for a solid-state imaging device, which color filter is capable of improving the resolution of the device. The method includes the steps of: forming a filter layer of a second color in a region in which a filter element of a first color is to be formed; and stacking a filter layer of a third color different from the second color on the filter layer of the second color. In the method, the color filter is preferably composed of filter elements of a plurality of the first colors each of which is either of red, green and blue colors. The filter elements are preferably produced by the steps of: forming a yellow filter layer as a filter layer of the second or third color in a region in which the filter elements of red and green colors as the first colors are to be formed; forming a cyan filter layer as a filter layer of the second or third color in a region in which the filter elements of green and blue colors as the first colors are to be formed; and forming a magenta filter layer as a filter layer of the second or third colors in a region in which filter elements of red and blue colors as the first colors are to be formed.